

Summary

GK-300 is a super soft silicon foam which has high compressibility. As a low softness silica gel foam, it has excellent springback performance, good weather resistance and long-term working stability. The advantages of light weight, high softness and good flame retardancy make it an ideal choice for dust prevention and vibration isolation in harsh transportation, industry and electronic products.

With Adhesive: According to the type of adhesive

Acrylate adhesive:18 months

Silicon adhesive:6 months

Features

- Range of thickness from 0.8~20mm
- Tight tolerances and softness, and unique compression set, ideal for demanding sealing application.
- Excellent weather resistance
- Meets the most stringent UL-94 flame rating available, V-0 and HF-1
- Low stress relaxation reduces maintenance costs associated with gasket failures due to compression set and softening

Applications

- Vibration isolators in electronic components and transportation vehicles
- Environmental seals on aircraft and railways
- Cushion and gasket

Storage

Without Adhesive

- Temperature: 10°C~35°C
- Relative Humidity: 40%~70%

With Adhesive

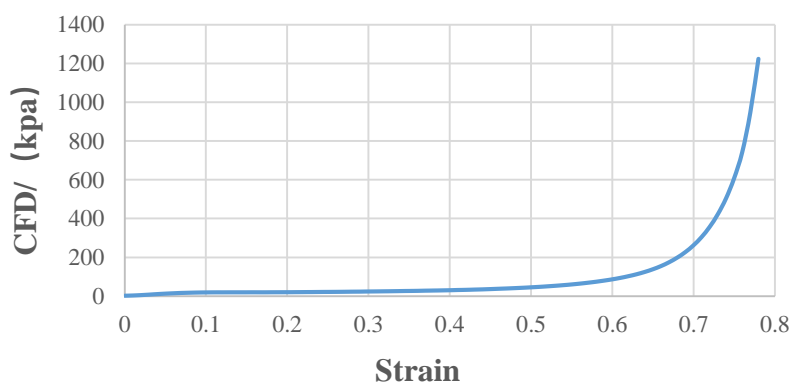
- Temperature: 18°C~30°C
- Relative Humidity: 45%~55%

Shelf-life

Without Adhesive: 10 years

Physical Properties	Test Method	Typical Value
Product		GK-300
Density, kg/m ³	ASTM D 1056	300
Thickness, mm		0.8~20
Tolerance, %		±10
Compression Set % max, 50%, 100°C	ASTM D 1056	<5%
Compression Force Deflection, kPa	ASTM D 1056	20
Tensile strength, kPa (min)	ASTM D 412	150
Tensile Strength, % (min)	ASTM D 412	60
Flame Resistance	UL94	V-0, HF-1
Water Absorption	Internal	<5%
Color	visual	Gray, black
Recommended Temperature		-55°C~200°C

GK-300 Compression force deflection curve



The true and reliable data information contained in this information is intended to assist you in the design of the use of the Guangmai silica gel foam material, based on the scope of application of the product determined by our current cognition and experience, unintentionally and does not constitute any warranty, express or implied, including any warranties of merchantability to the commodity, fitness for special purposes, and does not guarantee that the user can achieve the results shown in this data for a particular purpose. For applications outside the scope, or for use under different conditions and environments, the resulting results will not be liable. Therefore, we strongly recommend that the user determine the suitability of the silica gel material before use.

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